

# TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO. / TASK NO.	AMENDMENT	JOB ORDER NUMBER	APPROVAL YEAR
QSS Group, Inc.	NAS5-99124	236	563-740-50-14-89	2000

TASK TITLE: (NTE 80 characters; include Project name)

SWIFT-BAT Power Supply Design

APPROVALS: (Type or print name, and date)					
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)		DATE	ORG CODE	MAIL CODE	PHONE
Dale Brigham		3/27/00	563	563	301-286-1140
BRANCH HEAD		DATE	CODE	CODE	PHONE
Marlon Enciso		3/27/00	563	563	301-286-5845
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)		DATE	CODE	CODE	PHONE
Robert S. Lehair, Jr.		3/27/00		560	301-286-6588
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Larry Moore			

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: MAR 28 2000

Contractor will develop specification or statement of work under this task for a future procurement.			<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.			<input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)		
Onsite Performance:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL	If partial, indicate onsite work in SOW by asterisk (*)
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES		
Highlighted Contract Clauses: (to be completed by Contracting Officer)				

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be March 28, 2000.

### INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	<input checked="" type="checkbox"/> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 54,793.

The target fee of this task order is \$ 3,562.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 58,355.

The maximum fee is \$ 5,206.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:	
<p>THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"</p> <p><i>Elizabeth J. Austin</i></p> <p>SIGNATURE OF CONTRACTING OFFICER</p>	<p>5/2/00</p> <p>DATE</p>
<p>ELIZABETH J. AUSTIN</p> <p>CONTRACTING OFFICER</p> <p>TYPED NAME OF CONTRACTING OFFICER</p>	
CONTRACTOR'S ACCEPTANCE:	
<p>_____ AUTHORIZED SIGNATURE</p> <p>_____ DATE</p>	

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Applicable paragraphs from contract Statement of Work:

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall provide the necessary engineering and technician services to assist with the design and development of the SWIFT-BAT Power Converter Box.

The contractor shall:

1. Design a DC-DC Converter to the specifications provided by the ATR.
2. Provide conceptual design, schematic, parts list, Pspice modeling (as required), breadboard, testing and test report.
3. Provide written status report to the ATR on a weekly basis regarding the status of the design and testing.
4. Provide oral status report to the ATR at least twice weekly regarding the status of the design and testing.
5. Communicate with the ATR within 24 hours whenever a problem is surfaced that could affect the performance, schedule or cost.
6. Provide a monthly summary of his activities to the ATR
7. Provide a written, detailed report at the completion of the breadboard testing giving test results and the design's compliance with the specifications.
8. Provide sustaining engineering post delivery of breadboard Test Report.

Test equipment, parts, and material for breadboarding shall be GFE.

**PERFORMANCE SPECIFICATIONS:**

The DC-DC converter design shall meet the specification defined by the ATR.  
Analytical modeling of the circuits shall be done in Pspice.

**APPLICABLE DOCUMENTS:**

Evaluation and input to be based on all applicable SWIFT-BAT Performance and Verification Documents.

**TASK END DATE:** ~~9/30/00~~ 8/31/00**MILESTONES/DELIVERABLES AND DATES:**

Oral Status Reports	At minimum, twice weekly to ATR
Weekly Status Reports	Weekly to ATR
Monthly Status Report	Monthly to ATR due 15th of the month
DC-DC Converter Schematic and Parts List	One month <i>after receipt of GFE Requirements</i>
Pspice Model (as required)	Two months <i>after receipt of GFE Requirements</i>
Final Test Report	Within one week of completion of breadboard testing

**PERFORMANCE STANDARDS:**

**Schedule:** On time delivery of the above reports, Schematic and Final Test report  
**Technical:** ATR acceptance of above.

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Dale Brigham, building 20, room 162